Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"4785247".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 09:09
L2	0	(("signal generator" and receiver) with (share near3 coil)) and (drill adj (string pipe))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 09:11
L3	0	(("signal generator" with receiver) with (share near3 (coil))) and (drill adj (string pipe))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 09:12
L4	0	(("signal generator" same receiver) same (share near3 (coil))) and (drill adj (string pipe))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 09:12
L5	26	(((("signal generator" oscillator generator) with receiver) with ((coil))) and (drill adj (string pipe))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 09:22
L6	40281	(((signal adj generator) oscillator generator) with receiver)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 09:26
L7	30967	(share or "same") near3 coil	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 09:26
L8	22	(((signal adj generator) oscillator generator) with receiver) with ((share or "same") near3 coil)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 10:06
L9	2	("5631562" "6426917").pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/27 10:07
S1	1	"6830467".pn.	USPAT	OR	OFF	2005/04/26 09:13
S2	1	"6717501".pn.	USPAT	OR	OFF	2005/04/25 11:50
S3	1	"20050046590"	US-PGPUB; USPAT	OR	OFF	2005/04/25 12:32

| S4 | 112 | ("0749633"\|"2178931"\|"2197392"
\|"2249769"\|"2301783"\|"2354887"
\|"2379800"\|"2414719"\|"2531120"
\|"2633414"\|"2659773"\|"2662123"
\|"2748358"\|"2974303"\|"2982360"
\|"3079549"\|"3090031"\|"3170137"
\|"3186222"\|"3194886"\|"3209323"
\|"3227973"\|"3253245"\|"3518608"
\|"3696332"\|"3793632"\|"3807502"
\|"3879097"\|"3930220"\|"3957118"
\|"3989330"\|"4012092"\|"4087781"
\|"4095865"\|"4121193"\|"4126848"
\|"4215426"\|"4220381"\|"4348672"
\|"4445734"\|"4496203"\|"4537457"
\|"4578675"\|"4605268"\|"4660910"
\|"4683944"\|"4698631"\|"4722402"
\|"4785247"\|"4788544"\|"4806928"
\|"4884071"\|"4901069"\|"4914433"
\|"4924949"\|"5008664"\|"5052941"
\|"5148408"\|"5248857"\|"5278550"
\|"5302138"\|"5311661"\|"5332049"
\|"5334801"\|"5371496"\|"5454605"
\|"5455573"\|"5505502"\|"5517843"
\|"5521592"\|"5568448"\|"5650983"
\|"5691712"\|"5743301"\|"5810401"
\|"5833490"\|"5853199"\|"5856710"
\|"5898408"\|"5908212"\|"5924499"
\|"5942990"\|"5955966"\|"5959547"
\|"5971072"\|"6030004"\|"6041872"
\|"6045165"\|"6046685"\|"6057784"
\|"6104707"\|"6108268"\|"6123561"
\|"6141763"\|"6173334"\|"6177882"
\|"6188223"\|"6196335"\|"6209632"
\|"6223826"\|"6367565"\|"6392317"
\|"6405795"\|"6641434"\|"6655464"
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\|"2249769"\|"2301783"\|"2354887"
\|"2379800"\|"2414719"\|"2531120"
\|"2633414"\|"2659773"\|"2662123"
\|"2748358"\|"2974303"\|"2982360"
\|"0135179"\|"0193004"\|"0070842"
\|"0213598"\|"3079549"\|"3090031"
\|"3170137"\|"3186222"\|"3194886"
\|"3209323"\|"3227973"\|"3253245"
\|"3518608"\|"3696332"\|"3793632"
\|"3807502"\|"3879097"\|"3930220"
\|"3957118"\|"3989330"\|"4012092"
\|"4087781"\|"4095865"\|"4121193"
\|"4126848"\|"4215426"\|"4220381"
\|"4348672"\|"4445734"\|"4496203"
\|"4537457"\|"4578675"\|"4605268"
\|"4660910"\|"4683944"\|"4698631"
\|"4722402"\|"4785247"\|"4788544"
\|"4806928"\|"4884071"\|"4901069"
\|"4914433"\|"4924949"\|"5008664"
\|"5052941"\|"5148408"\|"5248857"
\|"5278550"\|"5302138"\|"5311661"
\|"5332049"\|"5334801"\|"5371496"
\|"5454605"\|"5455573"\|"5517843"
\|"5521592"\|"5568448"\|"5650983" | US-PGPUB;
USPAT | OR | OFF | 2005/04/26 09:43 |

S5	55	S4 and (drill near3 string)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 13:49
S6	20	S5 and (transmission near3 (path line wire string))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 12:33
S7	15	S5 and (reflect$3 TDR)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 13:49
S8	68	("2379800" | "2411696" | "3186222" | "3205477" | "3227228" | "3233674" | "3333239" | "3930220" | "4019148" | "4087781" | "4181014" | "4215426" | "4283780" | "4293936" | "4293937" | "4298970" | "4302757" | "4320473" | "4348672" | "4363137" | "4373582" | "4387372" | "4406919" | "4468665" | "4496174" | "4525715" | "4562559" | "4578675" | "4616702" | "4617960" | "4684946" | "4691203" | "4725837" | "4739325" | "4757157" | "4766442" | "4788544" | "4800570" | "4839644" | "4845493" | "4901069" | "4908804" | "4933640" | "4968978" | "5087099" | "5130706" | "5160925" | "5268683" | "5390748" | "5394141" | "5396232" | "5448227" | "5467083" | "5467832" | "5493288" | "5530358" | "5576703" | "5583504" | "5691712" | "5914911" | "6018501").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 15:53
S9	130	367/82,156,168.ccls. and (drill near4 (string line path))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 16:22
S10	36	367/82.ccls. and (reflect$4) and electromagnetic	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 16:54
S11	1	367/82.ccls. and (reflect$4) and electromagnetic and ((determin$3 detect$3 find$3 locat$4) near3 (interruption$1 discontinuit$3 short open fault$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 18:09

S12	2	367/82,156,168.ccls. and (reflect$4) and electromagnetic and ((determin$3 detect$3 find$3 locat$4) near3 (interruption$1 discontinuit$3 short open fault$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 17:14
S13	1	S12 not S11	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 17:21
S14	1	324/642,644.ccls. and (drill near3 (string path line))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 17:21
S15	1	324/637,642,644.ccls. and (drill near3 (string path line))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 18:15
S16	1	324/338.ccls. and (electromagnetically adj coupled)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 17:45
S17	6	324/338.ccls. and (electromagnetic$5 adj coupl$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 17:47
S18	334	324/338.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 17:47
S19	0	367/82.ccls. and TDR	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 18:07
S20	1	367/82.ccls. and (reflect$4) and ((determin$3 detect$3 find$3 locat$4) near3 (interruption$1 discontinuit$3 short open fault$1 defect$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 18:10
S21	3	166/380.ccls. and (reflect$4) and ((determin$3 detect$3 find$3 locat$4) near3 (interruption$1 discontinuit$3 short open fault$1 defect$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 18:11
S22	1	"20020149501"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 18:11
S23	8	324/637,642,644.ccls. and TDR and (compar$3 with reference)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 18:16
S25	5	"166"/$.ccls. and (drill near3 (string$1 path$1 line$1)) and (((shorted open) near2 (box pin) near2 end))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/04/26 09:21
S26	46	"166"/$.ccls. and (drill near3 (string$1 path$1 line$1)) and (((shorted open) near2 (box pin)))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/04/26 09:29

S27	41	S26 not S25	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/04/26 09:22
S28	199	"166"/$.ccls. and (drill near3 (string$1 path$1 line$1)) and ((detect$4 determin$3 find$3 locat$3) near3 (short open))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/04/26 09:30
S29	39	"166"/$.ccls. and (drill near3 (string$1 path$1 line$1)) same ((detect$4 determin$3 find$3 locat$3) near3 (short open))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/04/26 09:33

S30	112	("0749633"|"2178931"|"2197392"	US-PGPUB;	OR	OFF	2005/04/26 09:43
		|"2249769"|"2301783"|"2354887"	USPAT			
		|"2379800"|"2414719"|"2531120"				
		|"2633414"|"2659773"|"2662123"				
		|"2748358"|"2974303"|"2982360"				
		|"3079549"|"3090031"|"3170137"				
		|"3186222"|"3194886"|"3209323"				
		|"3227973"|"3253245"|"3518608"				
		|"3696332"|"3793632"|"3807502"				
		|"3879097"|"3930220"|"3957118"				
		|"3989330"|"4012092"|"4087781"				
		|"4095865"|"4121193"|"4126848"				
		|"4215426"|"4220381"|"4348672"				
		|"4445734"|"4496203"|"4537457"				
		|"4578675"|"4605268"|"4660910"				
		|"4683944"|"4698631"|"4722402"				
		|"4785247"|"4788544"|"4806928"				
		|"4884071"|"4901069"|"4914433"				
		|"4924949"|"5008664"|"5052941"				
		|"5148408"|"5248857"|"5278550"				
		|"5302138"|"5311661"|"5332049"				
		|"5334801"|"5371496"|"5454605"				
		|"5455573"|"5505502"|"5517843"				
		|"5521592"|"5568448"|"5650983"				
		|"5691712"|"5743301"|"5810401"				
		|"5833490"|"5853199"|"5856710"				
		|"5898408"|"5908212"|"5924499"				
		|"5942990"|"5955966"|"5959547"				
		|"5971072"|"6030004"|"6041872"				
		|"6045165"|"6046685"|"6057784"				
		|"6104707"|"6108268"|"6123561"				
		|"6141763"|"6173334"|"6177882"				
		|"6188223"|"6196335"|"6209632"				
		|"6223826"|"6367565"|"6392317"				
		|"6405795"|"6641434"|"6655464"				
		|"6670880"|"2178931"|"2197392"				
		|"2249769"|"2301783"|"2354887"				
		|"2379800"|"2414719"|"2531120"				
		|"2633414"|"2659773"|"2662123"				
		|"2748358"|"2974303"|"2982360"				
		|"0135179"|"0193004"|"0070842"				
		|"0213598"|"3079549"|"3090031"				
		|"3170137"|"3186222"|"3194886"				
		|"3209323"|"3227973"|"3253245"				
		|"3518608"|"3696332"|"3793632"				
		|"3807502"|"3879097"|"3930220"				
		|"3957118"|"3989330"|"4012092"				
		|"4087781"|"4095865"|"4121193"				
		|"4126848"|"4215426"|"4220381"				
		|"4348672"|"4445734"|"4496203"				
		|"4537457"|"4578675"|"4605268"				
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		|"4722402"|"4785247"|"4788544"				
		|"4806928"|"4884071"|"4901069"				
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		|"5052941"|"5148408"|"5248857"				
		|"5278550"|"5302138"|"5311661"				

		|"5332049"|"5334801"|"5371496"				
		|"5454605"|"5455573"|"5517843"				
		|"5521592"|"5568448"|"5650983"				

S31	0	S30 and ((shorted open) near2 box)	US-PGPUB; USPAT	OR	OFF	2005/04/26 09:44
S32	6	S30 and ((shorted open) near3 end)	US-PGPUB; USPAT	OR	OFF	2005/04/26 09:51
S33	1	"6670880".pn.	US-PGPUB; USPAT	OR	OFF	2005/04/26 09:50
S34	27	(drill near3 (string path line)) and (location with (defect fault interruption))	US-PGPUB; USPAT	OR	OFF	2005/04/26 11:12
S35	27	340/854.4,855.2,854.9.ccls. and (drill near3 (string line path)) and (reflect$3)	US-PGPUB; USPAT	OR	OFF	2005/04/26 11:25
S36	26	S35 not S34	US-PGPUB; USPAT	OR	OFF	2005/04/26 11:13

S37	112	("0749633"|"2178931"|"2197392"	US-PGPUB;	OR	OFF	2005/04/26 13:18
		|"2249769"|"2301783"|"2354887"	USPAT			
		|"2379800"|"2414719"|"2531120"				
		|"2633414"|"2659773"|"2662123"				
		|"2748358"|"2974303"|"2982360"				
		|"3079549"|"3090031"|"3170137"				
		|"3186222"|"3194886"|"3209323"				
		|"3227973"|"3253245"|"3518608"				
		|"3696332"|"3793632"|"3807502"				
		|"3879097"|"3930220"|"3957118"				
		|"3989330"|"4012092"|"4087781"				
		|"4095865"|"4121193"|"4126848"				
		|"4215426"|"4220381"|"4348672"				
		|"4445734"|"4496203"|"4537457"				
		|"4578675"|"4605268"|"4660910"				
		|"4683944"|"4698631"|"4722402"				
		|"4785247"|"4788544"|"4806928"				
		|"4884071"|"4901069"|"4914433"				
		|"4924949"|"5008664"|"5052941"				
		|"5148408"|"5248857"|"5278550"				
		|"5302138"|"5311661"|"5332049"				
		|"5334801"|"5371496"|"5454605"				
		|"5455573"|"5505502"|"5517843"				
		|"5521592"|"5568448"|"5650983"				
		|"5691712"|"5743301"|"5810401"				
		|"5833490"|"5853199"|"5856710"				
		|"5898408"|"5908212"|"5924499"				
		|"5942990"|"5955966"|"5959547"				
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		|"6045165"|"6046685"|"6057784"				
		|"6104707"|"6108268"|"6123561"				
		|"6141763"|"6173334"|"6177882"				
		|"6188223"|"6196335"|"6209632"				
		|"6223826"|"6367565"|"6392317"				
		|"6405795"|"6641434"|"6655464"				
		|"6670880"|"2178931"|"2197392"				
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		|"2633414"|"2659773"|"2662123"				
		|"2748358"|"2974303"|"2982360"				
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		|"0213598"|"3079549"|"3090031"				
		|"3170137"|"3186222"|"3194886"				
		|"3209323"|"3227973"|"3253245"				
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		|"3807502"|"3879097"|"3930220"				
		|"3957118"|"3989330"|"4012092"				
		|"4087781"|"4095865"|"4121193"				
		|"4126848"|"4215426"|"4220381"				
		|"4348672"|"4445734"|"4496203"				
		|"4537457"|"4578675"|"4605268"				
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		|"4722402"|"4785247"|"4788544"				
		|"4806928"|"4884071"|"4901069"				
		|"4914433"|"4924949"|"5008664"				
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		|"5278550"|"5302138"|"5311661"				
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		|"5454605"|"5455573"|"5517843"				
		|"5521592"|"5568448"|"5650983"				